

Shipboard Validation Results Analysis



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Why Validations?

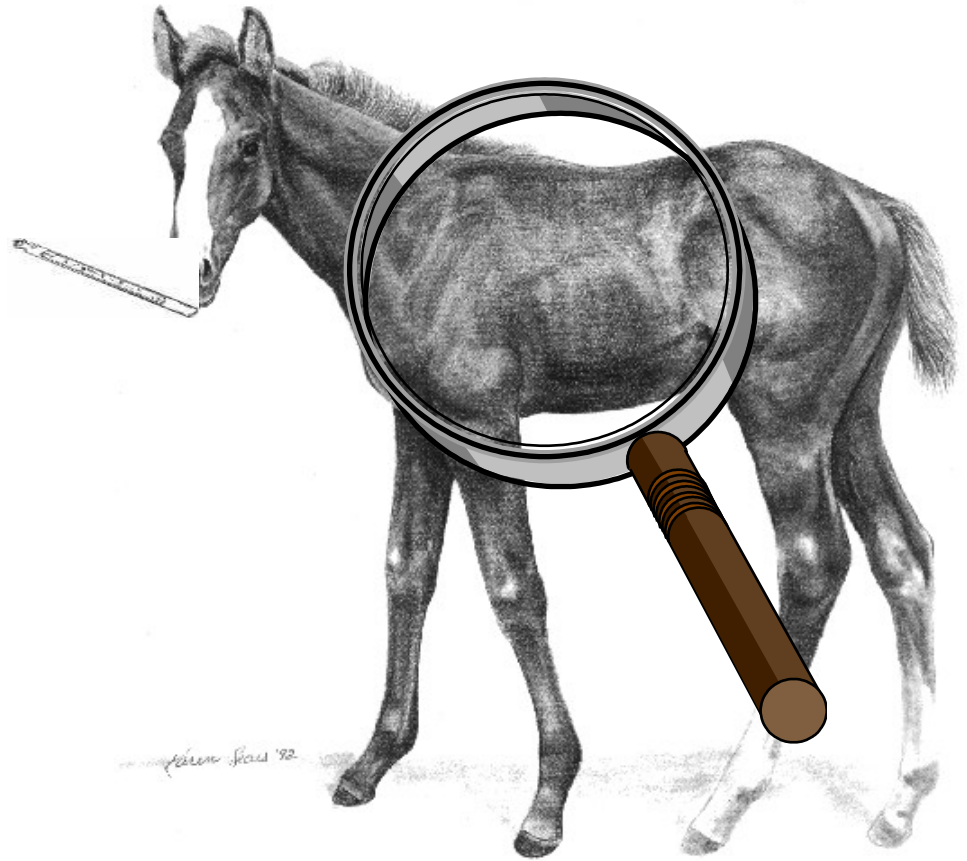
Our horse, the USS Fleet, is sick.

We know she is ill from a bad
configuration diet,



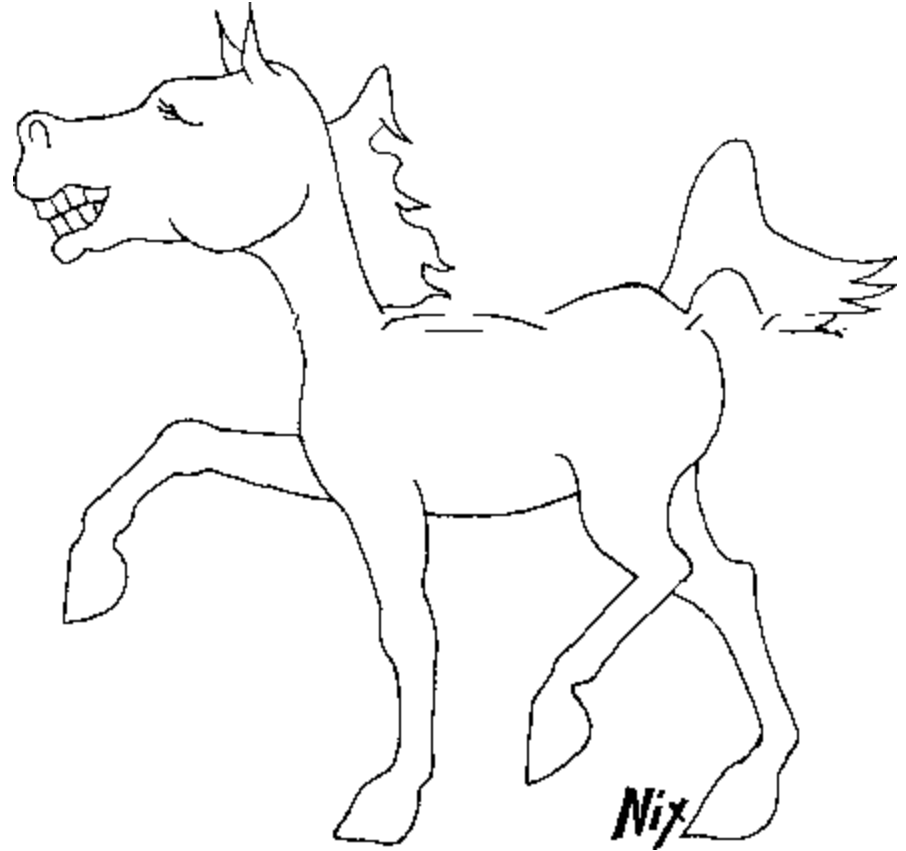
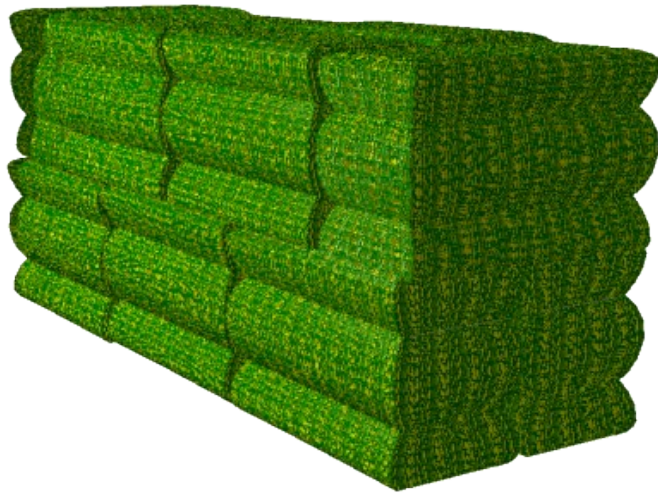
What are her Symptoms?

- Wrong/no repair parts onboard
- Incorrect ILS documents
 - (TMs, PMS, drawings)
- Increase in CASREPs, requests for Tech Assists
- Not battle-ready!



So, where do we look for answers and corrective measures?

Examine the input into the system and make sure it is correct!



Clipart by Jackie Nix

Findings

- No major problem identified
 - Only 44 (0.8%) equipments (of 5,576 total) applied to ten or more ships
- If any Further Monitoring is Necessary,
Recommend Periodic check up versus
Continuous

Shipboard Validation Team

- OCT 99 FLSIC Fleet told no data to support problem area
 - Data showed that no system(s) stood out
- Latest NAVSEA efforts are to target what SVT is looking at and why
- Fleet position is if SVT is consistently finding adds/deletes, then there is still a configuration problem
- Need to concentrate NAVSEA efforts on WHY there are adds/deletes not how the selection was made by SVT

Quick Look

- Reviewed the last 9 FTSC PAC SVT ships
- Ships looked at were:
 - LHA 5, LPD 5, AGF 11, FFG 38, DD 964, DDG 54, DDG 56, DD 965 & CG 49
- Team found 4,737 Adds; 4,142 Deletes
- Adds = 1,648 Unique APLs
- Deletes = 1,639 Unique APLs

Adds

- Analysis showed the following:

- Individual APLs

- J-4166 UYK-43 00008383 81
 - IM-143B/PD 00014601 49
 - A/C 882037224 49
 - FM Sys 640110019 45
 - Chill Box 882100003 43

- **Top 5 APLs account for 6% of total adds**

Adds

- Analysis showed the following:
 - Parent RIC (looking at kids for the parent)
 - AN-UYK 43(A) 00028042CL 142
 - AN/PDR-27S 56329284 96
 - **Top 2 Parent RICs are 5% of Total Adds**
 - Next Higher Assembly
 - AN/UYK-43 174
 - AN/PDR-27 111
 - AN/PDR-43 69
 - AN/USH-26 62
 - AN/SLQ-25A 46
 - **Top 5 NHA are 9.8% of Total Adds**

Adds

- Analysis showed the following:

- By System/EFD

• Air Conditioning	312
• Alarm Systems	304
• Refrigeration SS Chill System	300
• CHW System	203
• Crypto	181
• Potable Water System	115
• Galley	83

- **Top 7 Systems are 31.6% of Total Adds**

Deletes

- Analysis showed the following:
 - Individual APLs
 - MK-1733 UYK-7 2.7%
 - AN/PDR-27 2.3%
 - ALP System 2.0%
 - MK-1732 UYK-7 1.6%
 - J-4166A 1.1%
 - **Top 5 APLs are 9.7% of total deletes**

Deletes

- Analysis showed the following:

- Parent RICs

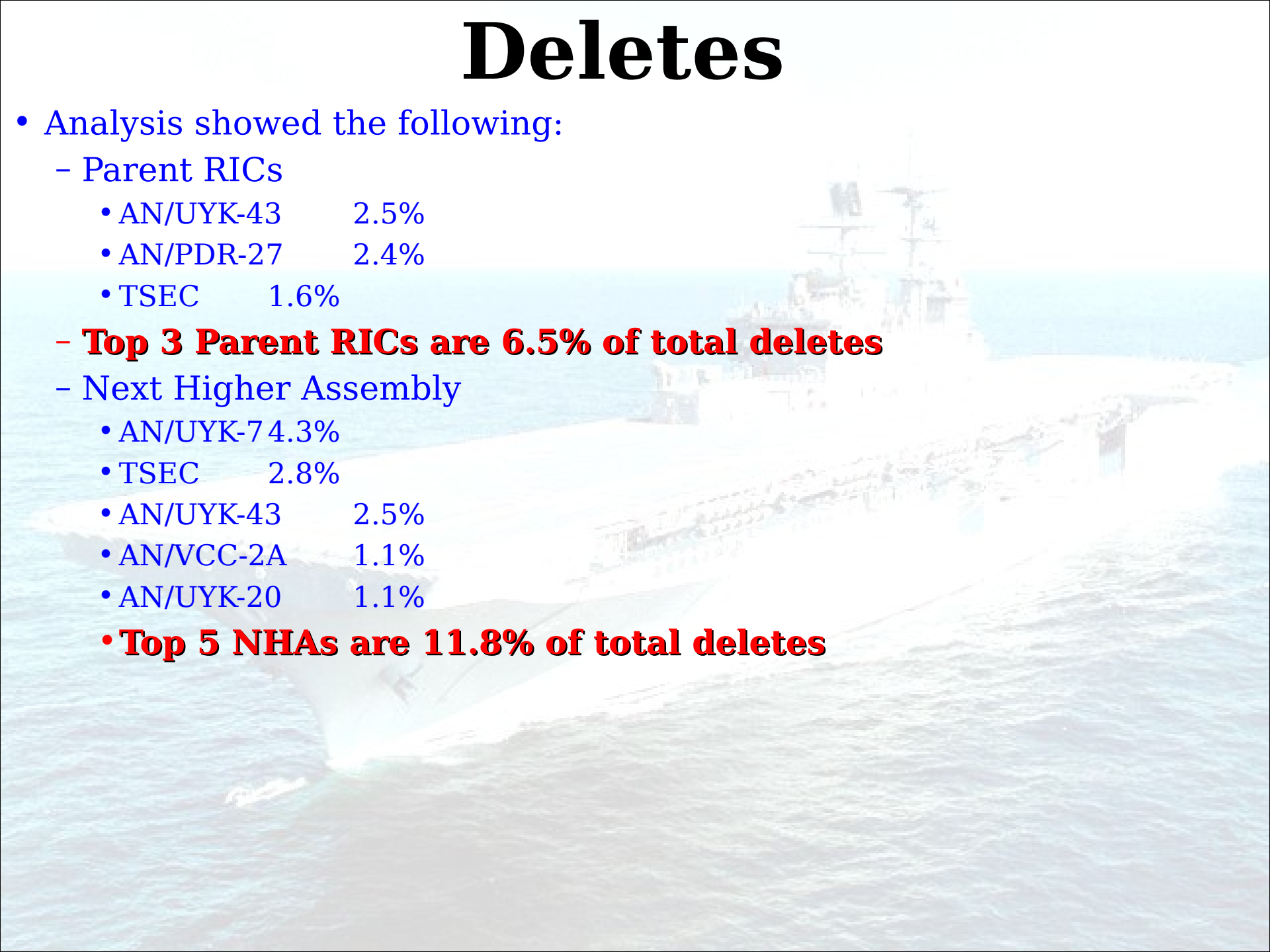
- AN/UYK-43 2.5%
- AN/PDR-27 2.4%
- TSEC 1.6%

- **Top 3 Parent RICs are 6.5% of total deletes**

- Next Higher Assembly

- AN/UYK-7 4.3%
- TSEC 2.8%
- AN/UYK-43 2.5%
- AN/VCC-2A 1.1%
- AN/UYK-20 1.1%

- **Top 5 NHAs are 11.8% of total deletes**



Deletes

- Analysis showed the following:
 - Systems/Equipment Functional Description
 - Communication 305
 - Alarm Systems 252
 - Tactical Data 164
 - Air Systems 134
 - Crypto 125
 - **Top 5 Systems account for 23.7% of total deletes**

Recommendations

- Need to focus logistics efforts on front end, as alterations/installations are accomplished.
- Need to go back to the ISEAs for the top-hitting systems...develop “Troubled Logistics Program” to identify and track correction of configuration/logistics issues with Program Offices.

Bottom Line: Need to do configuration management right the FIRST TIME and drastically reduce/eliminate the need for validations.